

**SIMPSON COUNTY REPORT
OF
ENDANGERED, THREATENED, AND SPECIAL CONCERN
PLANTS, ANIMALS, AND NATURAL COMMUNITIES
OF
KENTUCKY**

**KENTUCKY STATE NATURE
PRESERVES COMMISSION
801 SCHENKEL LANE
FRANKFORT, KY 40601
(502) 573-2886 (phone)
(502) 573-2355 (fax)**

www.naturepreserves.ky.gov

Kentucky State Nature Preserves Commission

Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none E = endangered T = threatened S = special concern H = historic X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none C = candidate LT = listed as threatened LE = listed as endangered

SOMC = Species of Management Concern

RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S4 = Apparently secure

S#T# = Intraspecific taxa

S5 = Secure

SNR = Unranked

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S#B = Rank of breeding population

S#N = Rank of non-breeding population

S#M = Rank of transient population

COUNT DATA FIELDS

OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to be extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

Kentucky State Nature Preserves Commission
801 Schenkel Lane
Frankfort, KY 40601
phone: (502) 573-2886
fax: (502) 573-2355
email: naturepreserves@ky.gov
internet: www.naturepreserves.ky.gov

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
						E	H	F	X	U
Simpson	Vascular Plants	<i>Forestiera ligustrina</i>	Upland Privet	T /	G4G5 / S2S3	2	0	0	0	0
	Woods near/on rocky slopes and along streams, in barrens and glades.									
Simpson	Vascular Plants	<i>Isoetes butleri</i>	Butler's Quillwort	E /	G4 / S1	1	0	0	0	0
	Shallow depressions and ledges of limestone glades and prairies, less commonly in limey areas of acidic glades and prairies or along ponds and creeks (Steyermark 1999); flats and depressions on rocky slopes and barrens; in KY, wet area on a cedar glade.									
Simpson	Vascular Plants	<i>Leavenworthia torulosa</i>	Necklace Gladecress	T /	G4 / S2	2	0	0	0	0
	Limestone glades and other thin-soil areas where limestone bedrock is at or near surface, holding water in spring.									
Simpson	Vascular Plants	<i>Malvastrum hispidum</i>	Hispid Falsemallow	T /	G3G5 / S2?	1	0	0	0	0
	Dry open non-wooded areas such as prairies, both limestone and sandstone, glades, edges of bluffs, and barrens, sometimes open alluvial ground in valleys and along gravel bars (Steyermark 1963 in part); in KY, old fields.									
Simpson	Vascular Plants	<i>Oenothera triloba</i>	Stemless Evening-primrose	T /	G4 / S1S2	1	0	0	0	0
	Dry woods, barrens, and prairies, often calcareous; in KY, glades, dry limestone soil, rock outcrops in fields.									
Simpson	Vascular Plants	<i>Perideridia americana</i>	Eastern Yampah	T /	G4 / S2	1	0	0	0	0
	Low grounds, prairies, and rich woods.									
Simpson	Vascular Plants	<i>Silphium pinnatifidum</i>	Tansy Rosinweed	S /	G3Q / S3	1	0	0	0	0
	BARRENS AND PRAIRIES.									
Simpson	Vascular Plants	<i>Sporobolus clandestinus</i>	Rough Dropseed	T /	G5 / S2S3	1	0	0	0	0
	Prairies, limestone glades, limestone cliff edges, along railroads.									
Simpson	Vascular Plants	<i>Talinum calcaricum</i>	Limestone Fameflower	E /	G3 / S1	1	0	0	0	0
	Limestone glades.									
Simpson	Gastropods	<i>Leptoxis praerosa</i>	Onyx Rocksnail	S / SOMC	G5 / S3S4	1	0	0	0	0
	CALL (1895) INDICATED THAT IN THE OHIO RIVER AT THE FALLS IT OCCURRED IN THE GREATEST PROFUSION WHERE THE BOTTOM IS CLEAN ROCK OR ROCK WITH ABUNDANT "CONFEROID" VEGETATION.									
Simpson	Gastropods	<i>Rabdotus dealbatus</i>	Whitewashed Rabdotus	T /	G5 / S1S2	2	0	0	0	0
	A CALCIPHILE AND IS FOUND CRAWLING ON THE GROUND OR ON LOW VEGETATION IN WET WEATHER (HUBRICHT 1985).									
Simpson	Freshwater Mussels	<i>Villosa ortmanni</i>	Kentucky Creekshell	T / SOMC	G2 / S2	4	0	1	0	0
	Free-flowing, upland rivers that range in size from small (1st order) spring fed streams to the Green River (Cicerello 1994). Many flow permanently, but others sometimes have no flow. Substrates range from cobble and boulder with mixed gravel and sand over bedrock to clayey-mud. Depths range from less than 6 inches to more than 2 meters.									
Simpson	Freshwater Mussels	<i>Villosa vanuxemensis</i>	Mountain Creekshell	T /	G4 / S2	1	0	0	0	0
	INHABITS SAND TO HETEROGENOUS MIXTURES IN AND ADJACENT TO SHALLOW RIFFLES AND SHOALS IN SLOW TO FAST CURRENT OF SMALL TO MEDIUM-SIZED STREAMS (AHLSTEDT 1984, GORDON AND LAYZER 1989).									
Simpson	Crustaceans	<i>Barbicambarus cornutus</i>	Bottlebrush Crayfish	S /	G3G4 / S2	2	0	0	0	0
	LIVES UNDER OR NEAR LARGE, FLAT COBBLES OR BOULDERS IN STREAMS.									
Simpson	Crustaceans	<i>Orconectes pellucidus</i>	Mammoth Cave Crayfish	S / SOMC	G5 / S3	0	0	1	0	0
	SUBTERRANEAN WATERS (HOBBS 1976).									
Simpson	Insects	<i>Batrasyommodes quisnamus</i>	A Cave Obligate Beetle	T /	G3G4 / S2S3	0	2	0	0	0
Simpson	Fishes	<i>Noturus exilis</i>	Slender Madtom	E /	G5 / S1	1	0	0	0	0
	This is a benthic fish that inhabits riffles and pools with a substrate of gravel, rubble, and/or slab rocks in streams (Burr and Warren 1986, Etnier and Starnes 1993). Also occurs in cover along wave-swept margins of reservoirs. Adults live in pools until June and July, when reproduction occurs (Mayden and Burr 1981). Young live in riffles and shallow margins of pools.									

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Simpson	Fishes	<i>Typhlichthys subterraneus</i>	Southern Cavefish	S / SOMC	G4 / S2S3	1	0	0	0	0
		Subterranean waters where limestone bedrocks are honeycombed by subsurface drainages. Occurs in cave streams, most frequently over mixed gravel, sand, and mud, or rubble substrates and may occur at springs and wells (Cooper 1980, Cooper and Beiter 1972, Pflieger 1975, Starnes and Etnier 1980, Burr and Warren 1986).								
Simpson	Amphibians	<i>Cryptobranchus alleganiensis alleganiensis</i>	Eastern Hellbender	S / SOMC	G3G4T3T4 / S3	1	0	0	0	0
		CONFINED TO RUNNING WATERS OF FAIRLY LARGE STREAMS AND RIVERS.								
Simpson	Breeding Birds	<i>Anas discors</i>	Blue-winged Teal	T /	G5 / S1S2B	1	0	0	0	0
		MARSHES, PONDS, SLOUGHS, LAKES AND SLUGGISH STREAMS. IN MIGRATION AND WHEN NOT BREEDING, IN BOTH FRESHWATER AND BRACKISH SITUATIONS (B83COM01NA).								
Simpson	Breeding Birds	<i>Thryomanes bewickii</i>	Bewick's Wren	S / SOMC	G5 / S3B	1	0	0	0	0
		BRUSHY AREAS, THICKETS AND SCRUB IN OPEN COUNTRY, OPEN AND RIPARIAN WOODLAND, AND CHAPARRAL, MORE COMMONLY IN ARID REGIONS BUT LOCALLY ALSO IN HUMID AREAS (SUBTROPICAL AND TEMPERATE ZONES) (B83COM01NA). FOUND IN COUNTRY TOWNS AND FARMS								
Simpson	Breeding Birds	<i>Tyto alba</i>	Barn Owl	S /	G5 / S3	1	0	0	0	0
		OPEN AND PARTLY OPEN COUNTRY IN A WIDE VARIETY OF SITUATIONS, OFTEN AROUND HUMAN HABITATION (B83COM01NA). IN NORTHERN WINTER OFTEN ROOSTS IN DENSE CONIFERS; ALSO ROOSTS IN NEST BOXES IF AVAILABLE (A85MAR01NA).								
Simpson	Mammals	<i>Myotis grisescens</i>	Gray Myotis	T / LE	G3 / S2	1	0	0	0	0
		Gray bats use primarily caves throughout the year, although they move from one cave to another seasonally. Males and young of the year use different caves in summer than females.								
Simpson	Communities	<i>Limestone flat rock glade</i>		/	GNR / S1	1	0	0	0	0